

# Work Order ID 63231

Monday, October 25, 2010 2:41:02 PM



Page 1

Item ID:	D3852-042	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Rib Assembly					
Start Date:	10/25/2010	Start Qty:	2.00			
Required Date:	10/29/2010	Req'd Qty:	2.00			
Reference:						

Approvals:	Process Plan:	Date: 10-10-25	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3852	Rev A								

100		0.00							
	Large Fab								
Large Fab	Memo	0.00							
Large Fab	1- pick D3166-3 to cut D3852-2 rib (RH) as per dwg D3852 using DT9440 jig								
	2- drill hole (3/16") in D3852-2 using DT9439 jig and open to finish size as per dwg D3852								
	3- c'sink hole as per dwg								
	4- remove identification markings								
	5- deburr								
	6- weld D3759-1 bushing as per dwg D3852								
	A/R ER316 S.S. Rod Batch: 111585								
	7- grind bushing weld flush as per dwg dwg D3852								
	8- deburr hole if necessary								

SAD 10-11-04

CP 10-11-23

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			



**NOTE:** Date & initial all entries




**Work Order ID 63231**

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Item ID: D3852-042 Accept  Setup Start   
Revision ID: Stop   
Item Name: Rib Assembly  
Start Date: 10/25/2010 Start Qty: 2.00  Cust Item ID:  
Required Date: 10/29/2010 Req'd Qty: 2.00  Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start   
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop 

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130  QC Quality Control	QC10- Inspect visual per QSI004- ground welds  Memo	0.00  0.00				<u>2</u>	<u>0</u>	<u>BE10/11/23</u>	
140  QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00  0.00				<u>x2</u>			
150  Packaging Packaging	Identify as per dwg & Stock Location: <u>B/C</u>  Memo	0.00  0.00				<u>Ppl10.11.23</u>			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_


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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			



**NOTE:** Date & initial all entries


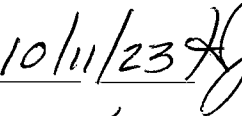
**Work Order ID 63231**

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Page 3

Item ID: D3852-042 Accept  Setup Start   
Revision ID:  
Item Name: Rib Assembly Stop   
Start Date: 10/25/2010 Start Qty: 2.00  Cust Item ID:  
Required Date: 10/29/2010 Req'd Qty: 2.00  Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start   
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop 

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160  QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00  0.00							10/11/23  ME 10-11-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Page 1

Work Order ID: 63231

Parent Item: D3852-042

Parent Item Name: Rib Assembly

Start Date: 10/25/2010

Required Date: 10/29/2010

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A 08-12-02 new issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3166-3 Basket Hoop		Manufactured	No			100	Each	10.6127	0.18	0.378947			

Location	Loc Qty	Loc Code
WA	10.61267105	
55697	2.1053E-05	
59266	0.0418	
60270	0.00265	
61193	4.5682	
63063	6	

SAD 10-11-04

0.3789

D3759-1  
Bushings

Manufactured No

100 Each 40.0000 1

Location	Loc Qty	Loc Code
ST084	21	
56942	21	
WA	19	
54072	9	
61379	10	

10-11-23

363875 → (2)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

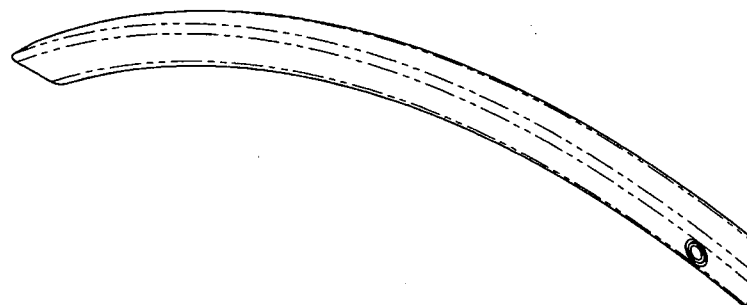
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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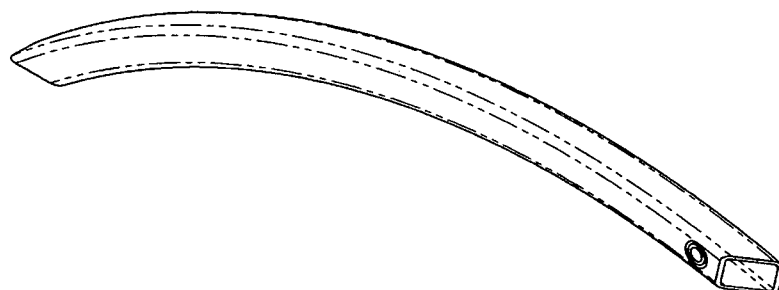


8 7 6 5 4 3 2 1

ITEM	QTY -041	QTY -042	P/N	DESCRIPTION
1	X		D3852-041	RIB ASSEMBLY
2		X	D3852-042	RIB ASSEMBLY
3	1	1	D3759-1	BUSHING
4	1		D3852-1	RIB
5		1	D3852-2	RIB



**D3852-041 RIB ASSEMBLY**



**D3852-042 RIB ASSEMBLY**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 63231  
2810-10-25

RELEASE  
*08/11/07 MP*

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 0.83 lbs EACH
  - 8) WELDING: PER QSI 004

A	NEW ISSUE	MB	08.11.07
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN		DRAWING NO.	REV. A
CHECKED		D3852	SHEET 1 OF 3
MFG. APPR.		TITLE	SCALE
APPROVED		RIB ASSEMBLY	NTS
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DATE	08.11.07		

8 7 6 5 4 3 2 1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

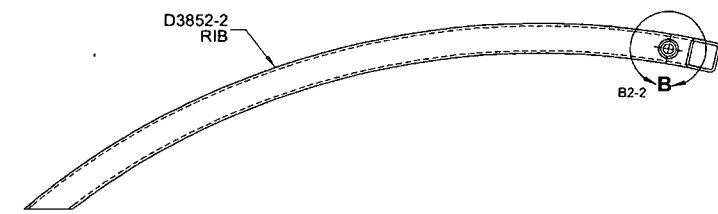
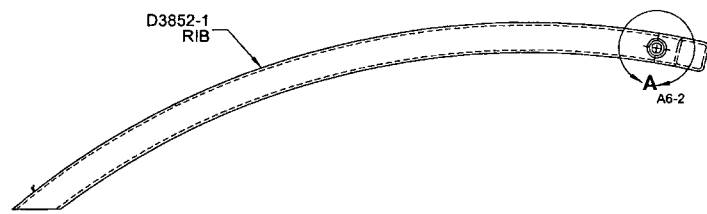
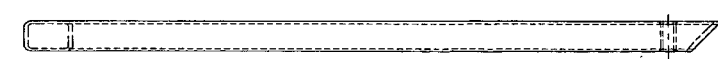
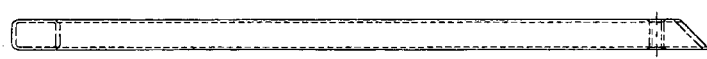
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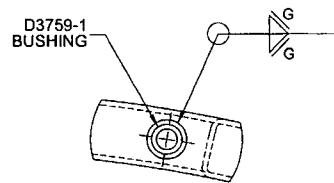
**NOTE:** Date & initial all entries

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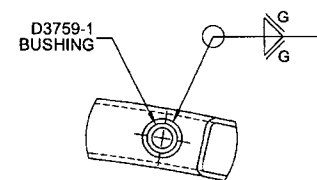


**D3852-041 RIB ASSEMBLY**

**D3852-042 RIB ASSEMBLY**



**DETAIL A**  
SCALE 2X C5-2



**DETAIL B**  
SCALE 2X C2-2

**RELEASED**  
08/11/07

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	125	DRAWING NO.	REV. A
MFG. APPR.		D3852	SHEET 2 OF 3
APPROVED		TITLE	SCALE
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W/O:		WORK ORDER CHANGES					
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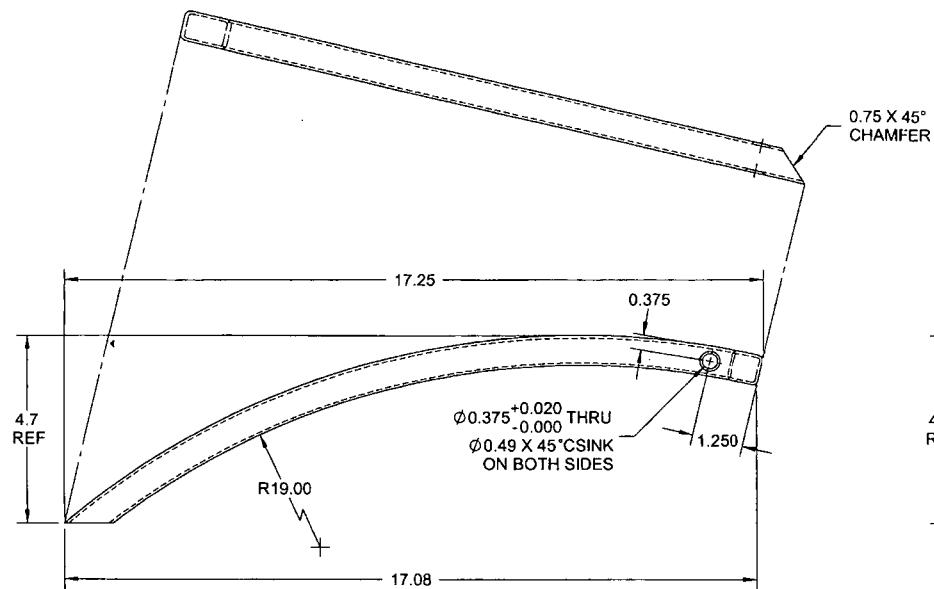
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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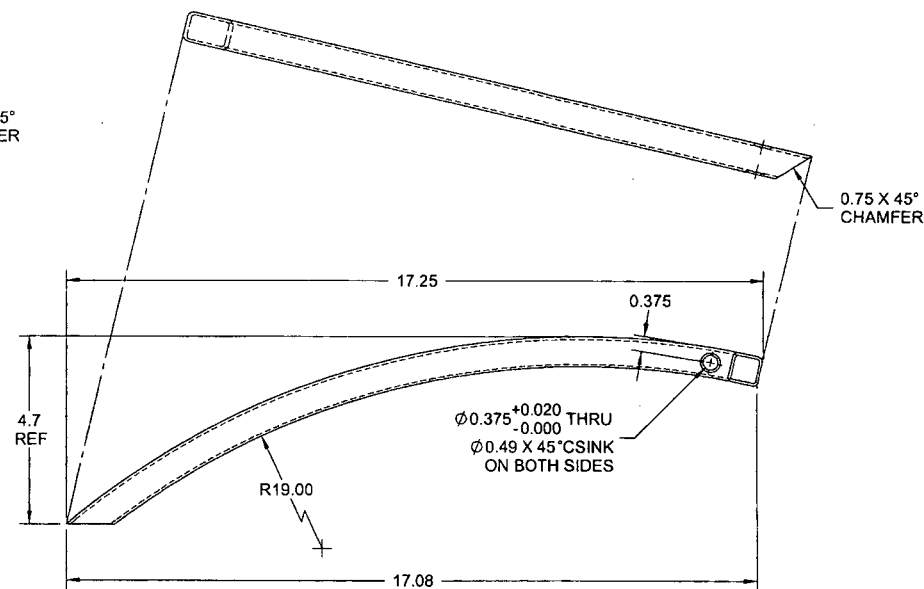
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**NOTE:** Date & initial all entries

w/0 43231



**D3852-1 RIB**



**D3852-2 RIB**

**RELEASED**  
08/11/07

- NOTES:  
 1) MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.75 X 0.75 X 0.065 WALL  
 REF. DART SPEC. M304TS0.750W0.065  
 2) FINISH: NONE  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: N/A  
 7) WEIGHT: 0.82 lbs EACH

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D3852	SHEET 3 OF 3
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